

[54] KEYBOARD HAVING SWITCHES WITH TACTILE FEEDBACK	2,930,859	3/1960	Nolden et al.	200/16 A
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[75] Inventors: William W. Misson , Santa Rosa; Clarence K. Studley ; William J. West , both of Los Altos; Edward T. Liljenwall , Sunnyvale, all of Calif.	3,240,885	3/1966	Grunfelder et al.	200/5 A
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[73] Assignee: Hewlett-Packard Company , Palo Alto, Calif.	3,666,899	5/1972	Kerr.....	200/16 D X
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[58] **Field of Search** 200/1 R, 1 A, 5 R, 5 A, 200/6 R, 159, 159 B, 16 A, 11 TW, 67 D, 67 DA, 67 DB, 159 R, 159 A, 243, 275, 329-340, 85 A, 86 R, 16 D, 302

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[57] **ABSTRACT**

An array of curved metal strips is supported over an array of conductors, and a key is supported over each intersection of a metal strip and a conductor. When a user depresses a key, a metal strip is pressed against a conductor to make an electrical connection. As the metal strip is deflected by the key, it snaps or buckles, providing tactile feedback to the user.

13 Claims, 14 Drawing Figures

